

**Amendments to the Claims:** This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. (Currently Amended) A remote-control transmitter comprising:

a plurality of keys, each of said keys closing a respective switch contact upon being depressed;

a microcomputer coupled to said keys for generating a respective signal in response to each of said keys being depressed; and

a transmission circuit coupled to said microcomputer for transmitting said signal;

wherein the microcomputer is operable to:

be shifted to a test mode,

store indications of which of said contacts are detected as ~~closed~~transitioning from an open state to a closed state after the test mode is initiated, said contacts indicated as ~~closed~~transitioning from said open state to said closed state responsive to respective depression of said keys,

~~store indications of which of said contacts are detected as not closed, and~~

transfer said indications of which of said contacts are detected as closed and ~~said contacts detected as not closed~~transitioning from said open state to said closed state to said transmission circuit.

2. (Previously Presented) The remote-control transmitter according to claim 1, wherein said transmission circuit transmits said signal as one of an infrared ray signal and a radio signal.

3. (Previously Presented) The remote-control transmitter according to claim 1, wherein said signal additionally carries an identification signal that identifies said microcomputer.

4. (Previously Presented) A remote-control transmitter according to claim 3, wherein said transmission circuit transmits said signal as one of an infrared ray signal and a radio signal.

5. (Currently Amended) A method of testing a remote-control transmitter, said method comprising the steps of:

providing said remote control transmitter which includes: a plurality of keys, each of said keys closing a respective switch contact upon being depressed, a microcomputer coupled to said keys for generating a respective signal in response to each of said keys being depressed, and a transmission circuit coupled to said microcomputer for transmitting said signal;

shifting the microcomputer to a test mode;

storing indications of which of said contacts are detected as ~~closed~~ transitioning from an open state to a closed state after the test mode is initiated, said contacts indicated as ~~closed~~ transitioning from said open state to said closed state responsive to respective depression of said keys;

~~storing indications of which of said contacts are detected as not closed;~~

transferring said indications of which of said contacts are detected as closed ~~and said contacts detected as not closed~~ transitioning from said open state to said closed state to the transmission circuit; and

examining a signal generated responsive to said transferring.

6. (Previously Presented) The method of testing the remote-control transmitter according to claim 5, wherein the transmission circuit transmits said signal as one of an infrared ray signal and a radio signal.

7. (Previously Presented) The method of testing the remote-control transmitter according to claim 5, wherein said signals additionally carries an identification signal that identifies the microcomputer.

8. (Previously Presented) A method of testing a remote-control transmitter according to claim 7, wherein the transmission circuit transmits said signal as one of an infrared ray signal and a radio signal.

9. (Currently Amended) A remote-control transmitter comprising:

a plurality of keys activating switch contacts upon being depressed, respectively;

a microcomputer operable to:

be shifted to a test mode.

store indications of which of said contacts are detected as ~~closed~~ transitioning from an open state to a closed state after the test mode is initiated, said contacts indicated as ~~closed~~ transitioning from said open state to said closed state responsive to respective depression of said keys,

~~store indications of which of said contacts are detected as not closed, and~~

transfer the stored indications of which of said contacts are detected as closed and ~~said contacts detected as not closed~~ transitioning from said open state to said closed state.

10. (Currently Amended) A method of testing a remote-control transmitter, said method comprising:

providing a remote-control transmitter including: a plurality of keys activating switch contacts upon being depressed, respectively, a microcomputer coupled said switch contacts; and a transmission circuit coupled to the microcomputer;

shifting the microcomputer to a test mode;

storing indications of which of said contacts are detected as ~~closed~~ transitioning from an open state to a closed state after the test mode is initiated, said contacts indicated as ~~closed~~ transitioning from said open state to said closed state responsive to respective depression of said keys;

~~storing indications of which of said contacts are detected as not closed~~

transferring the stored indications of which of said contacts are detected as closed ~~and said contacts detected as not closed~~ transitioning from said open state to said closed state to said transmission circuit; and

examining signals corresponding to the transferred indications.

11. (Currently Amended) A remote-control transmitter according to claim 1, wherein transfer of said indications is delayed until after more than one of said indications of ~~closing~~ transitioning of said contacts has been stored.

12. (Currently Amended) A remote-control transmitter according to claim 1, wherein one of said keys is detected as not closed ~~transitioning~~ despite being depressed.